>1 patient in any arm	abemaciclib plus nonsteroidal Al (n = 327)	placebo plus nonsteroidal Al (n = 161) n (%) 7 (4.3)	
	n (%)		
Patients Discontinued Any Study Drug due to AE	82 (25.1)		
Neutropenia	9 (2.8)	0	
ALT increased	7 (2.1)	0	
Lung infection	7 (2.1)	0	
Diarrhea	6 (1.8)	0	
Nausea	5 (1.5)	0	
Chronic kidney disease	4 (1.2)	0	
Embolism	4 (1.2)	0	
Anemia	3 (0.9)	0	
Blood creatinine increased	3 (0.9)	0	
Dyspnea	3 (0.9)	0	
Lymphopenia	2 (0.6)	0	
Thrombocytopenia	2 (0.6)	0	
AST increased	2 (0.6)	0	
Pneumonitis	2 (0.6)	0	
Pulmonary fibrosis	2 (0.6)	0	
Weight decreased	2 (0.6)	0	
Rash	2 (0.6)	0	
Patients Discontinued All Study Treatment due to AE	54 (16.5)	5 (3.1)	
Alanine aminotransferase increased	6 (1.8)	0	
Lung infection	6 (1.8)	0	
Diarrhea	4 (1.2)	0	
Embolism	4 (1.2)	0	
Neutropenia	3 (0.9)	0	
Aspartate aminotransferase increased	2 (0.6)	0	
Weight decreased	2 (0.6)	0	
Thrombocytopenia	2 (0.6)	0	
Dyspnea	2 (0.6)	0	
Pulmonary fibrosis	2 (0.6)	0	
Chronic kidney disease	2 (0.6)	0	

Note: Discontinuation of study treatment means that abemaciclib or placebo and NSAI were discontinued.

Supplementary Table S2. Dose reductions for patients who discontinued abemaciclib or placebo due to non-fatal AEs

Patients who discontinued due	abemaciclib plus nonsteroidal Al	placebo plus nonsteroidal Al		
to non-fatal AEs ^a , <i>n</i> (%)	(n=74)	(n=3)		
Number of dose reductions				
0	37 (50.0)	2 (66.7)		
1	14 (18.9)	1 (33.3)		
2	23 (31.1)	0 (0.0)		

^aFatal AEs were not included in the analysis.

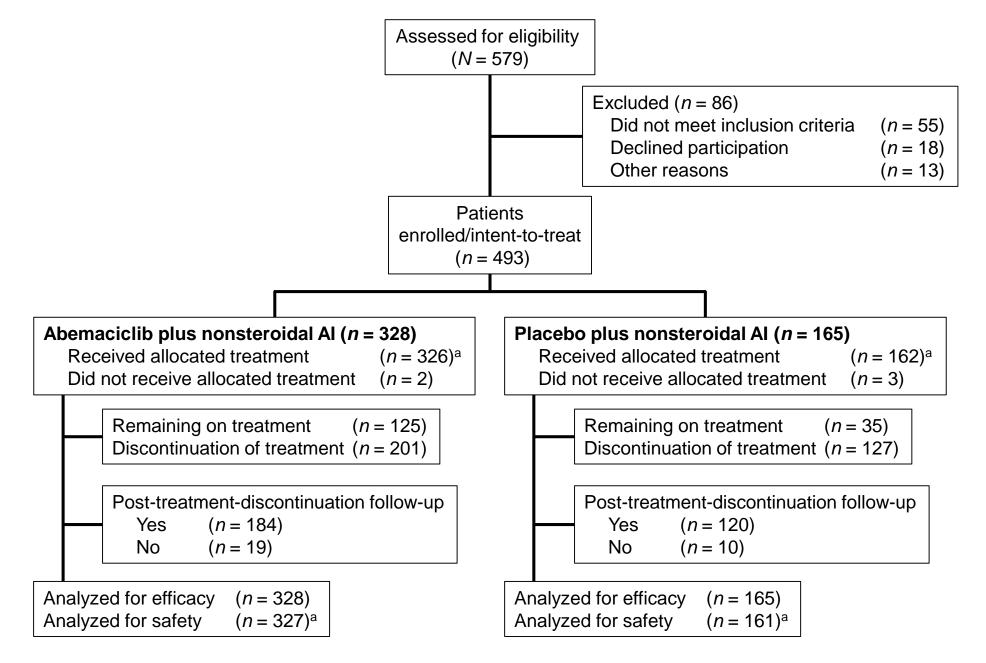
Abbreviation: AEs, adverse events.

Supplementary Table S3. Dose reduction level versus PFS

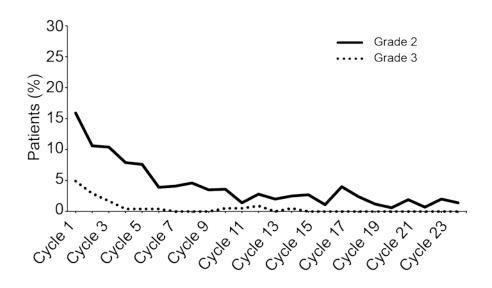
Reduced dose vs protocol dose (150 mg ^a)	Events (Alternative)	Events (Reference)	HR	95% CI	P b
100 mg vs 150 mg	22	62	0.764	0.467-1.251	0.2849
50 mg vs 150 mg	11	62	0.985	0.511-1.902	0.9650

^aReference dose

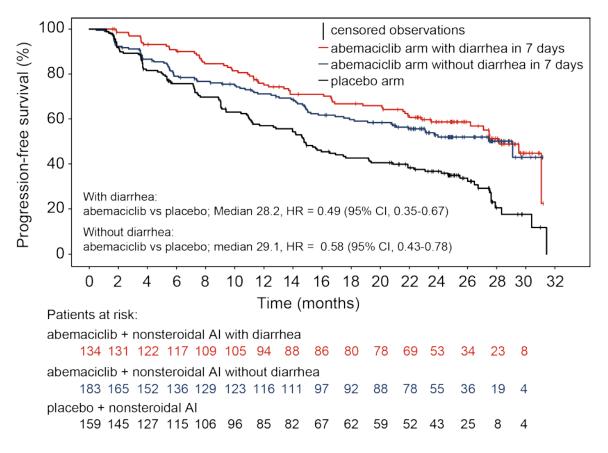
bWald's test



Supplementary Figure S1. CONSORT flow diagram.²¹ ^aOne patient who was randomized to the placebo arm received abemaciclib treatment in the first cycle and was counted in the safety population of the abemaciclib arm.



Supplementary Fig. S2.Patients with Grade 2 or 3 diarrhea by cycle in the abemaciclib arm.



Supplementary Fig. S3.

Relationship between early diarrhea and PFS. PFS of patients with or without diarrhea (any grade) within the first 7 days of treatment. Note: PFS events occurring prior to day 7 were excluded from the analysis.